U.S. DEPARTMENT OF COMMERCE-Patent and Trademark Office

Application No. 784244

NOTICE OF DRAFTPERSON'S PATENT DRAWING REVIEW

PATENT DRAWING REVIEW	
The drawing filied (insert date) 4147 are:	
Anot objected to by the Draftperson under 37 CFR 1.84 or 1.	
B objected to by the Draftperson under 37 CFR 1.84 or 1.152 as indicated below. The Examiner will require submission of new, corrected drawings whe necessary. Corrected drawings must be submitted according to the instructions on the back of this notice.	
DRAWINGS. 37 CFR 1.84(a): Acceptable categories of drawings: Black ink. Color.	SECTIONAL VIEWS. 37 CFR 1.84(h)(3) Hatching not indicated for sectional portions of an object.
Color drawing are not acceptable until petition is granted.	Fig.(s)
Fig.(s) Pencil and non black ink is not permitted. Fig(s)	Sectional designation should be noted with Arabic or
2. PHOTOGRAPHS. 37 CFR 1.84(b)	Roman numbers. Fig.(s)
Photographs are not acceptable until petition is granted,	8. ARRANGEMENT OF VIEWS. 37 CFR 1.84(i)
3 full-tone sets are required. Fig(s)	Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned, so that the top becomes the right
Photographs not properly mounted (must brystol board or	side, except for graphs. Fig.(s)
photographic double-weight paper). Fig(s)	Views not on the same plane on drawing sheet. Fig.(s)
Poor quailty (half-tone). Fig(s)	9. SCALE. 37 CFR 1.84(k)
3. TYPE OF PAPER. 37 CFR 1.84(e)	Scale not large enough to show mechansim without crowding
Paper not flexible, strong, white and durable. Fig.(s) Erasures, alterations, overwritings, interlineations,	when drawing is reduced in size to two-thirds in reproduction. Fig.(s)
folds, copy machine marks not acceptable. (too thin)	10. CHARACTER OF LINES, NUMBERS, & LETTERS. 37 CFR 1.84(I)
Mylar, vellum paper is not acceptable (too thin). Fig(s)	Lines, numbers & letters not uniformly thick and well defined, clean, durable and black (poor line quality).
4. SIZE OF PAPER. 37 CFR 1.84(F): Acceptable sizes:	Fig.(s)
21.0 cm by 29.7 cm (DIN size A4)	11. SHADING. 37 CFR 1.84(m)
21.6 cm by 27.9 cm (8 1/2 x 11 inches)	Solid black areas pale. Fig.(s) Solid black shading not permitted. Fig.(s)
All drawings sheets not the same size.	Shade lines, pale, rough and blurred. Fig.(s)
Sheet(s)	12. NUMBERS, LETTERS, & REFERENCE CHARACTERS.
5. MARGINS. 37 CFR 18.4(g): Acceptable margins:	37 CFR 1.48(p)
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm SIZE: A4 Size	Numbers and reference characters not plain and legible.
Top 2.5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm	Fig.(s)
SIZE: 8 1/2 x 11	Figure legends are poor. Fig.(s)
Margins not acceptable. Fig(s)	Numbers and reference characters not oriented in the same
Top (T) Left (L)	direction as the view. 37 CFR 1.84(p)(3) Fig.(s)
Right (R) Bottom (B)	Engligh alphabet not used. 37 CFR 1.84(p)(3) Fig.(s)
6. VIEWS. CFR 1.84(h) REMINDER: Specification may require revision to	Numbers, letters and reference characters must be at least .32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3) Fig.(s)
correspond to drawing changes.	13. LEAD LINES. 37 CFR 1.84(q)
Views connected by projection lines or lead lines. Fig.(s)	Lead lines cross each other. Fig.(s) Lead lines missing. Fig.(s)
Partial views. 37 CFR 1.84(h)(2)	14. NUMBERING OF SHEETS OF DRAWINGS. 37 CFR 1.48(t)
Brackets needed to show figure as one entity.	Sheets not numbered consecutively, and in Ababic numerals
Fig.(s)	beginning with number 1. Fig.(s)
Views not labeled separately or properly.	15. NUMBERING OF VIEWS. 37 CFR 1.84(u)
Fig.(s)	Views not numbered consecutively, and in Abrabic numerals,
Enlarged view not labeled separately or properly.	beginning with number 1. Fig.(s)
Fig.(s)	16. CORRECTIONS. 37 CFR 1.84(w)
	Corrections not made from PTO-948 dated
	17. DESIGN DRAWINGS. 37 CFR 1.152
	Surface shading shown not appropriate. Fig.(s)
	Solid black shading not used for color contrast. Fig.(s)
COMMENTS	
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REVIEWERDATE	//6/99 TELEPHONE NO
ATTACHMENT TO PAPER NO	1
PTO COPY	

REMINDER

Drawing changes may also require changes in the specification, e.g., if Fig. I is changed to Fig. IA, Fig. IB, Fig. IC, etc., the specification, at the Brief Description of the Drawings, must likewise be changed. Please make such changes by 37 CFR 1.312 Amendment at the time of submitting drawing changes.

INFORMATION ON HOW TO EFFECT DRAWING CHANGES

1. Correction of Informalities-37 CFR 1.85

File new drawings with the changes incorporated therein. The application number or the title of the invention, inventor's name, docket number (if any), and the name and telephone number of a person to call if the Office is unable to match the drawings to the proper application, should be placed on the back of each sheet of drawings in accordance with 37 CFR 1.84(c). Applicant may delay filing of the new drawings until receipt of the Notice of Allowability (PTOL-37). Extensions of time may be obtained under the provisions of 37 CFR 1.136. The drawing should be filed as a separate paper with a transmittal letter addressed to the Drawing Review Branch.

2. Timing of Corrections

Applicant is required to submit acceptable corrected drawings within the three-month shortened statutory period set in the Notice of Allowability (PTOL-37). If a correction is determined to be unacceptable by the Office, applicant must arrange to have acceptable correction resubmitted within the original three-month period to avoid the necessity of obtaining as extension of time and paying the extension fee. Therefore, applicant should file corrected drawings as soon as possible.

Failure to take corrective action within set (or extended) period will result in ABANDONMENT of the Application.

3. Corrections other than Informalities Noted by the Drawing Review Branch on the Form PTO 948

All changes to the drawings, other than informalities noted by the Drawing Review Branch, MUST be approved by the examiner before the application will be allowed. No changes will be permitted to be made, other than correction of informalities, unless the examiner has approved the proposed changes.